

## AMIGA 1000 PERSONAL COMPUTER SYSTEM

If you haven't found the right computer yet, then you've never met Amiga. No other personal computer, even the ones that cost a lot more, can catch Amiga feature for feature. It's light years ahead of the rest and that keeps you ahead of the competition.

There's never been a computer with this much power at this low price. Amiga's 256K RAM is just a start. Amiga allows you to expand up to 512K internally and 8 megabytes externally. The power goes deeper. In addition to the powerful microprocessor that's the heart of the Amiga, we've added three amazing custom chips that handle graphics, sound and routine operations. These custom chips free the central processor from normal "computer housekeeping" and allow direct memory access and multi-tasking.

There's never been a computer with this kind of speed and agility. Amiga combines speed and power into a truly remarkable machine. Amiga is three times faster than Macintosh and IBM PC. And many times more productive, because it's multi-tasking. Amiga can print your cover memo, search your data base, make a bar graph, all while using a spreadsheet. And there's probably enough power left over to receive a phone message or stock quote over a modem at the same time.

There's never been a computer with graphics like this. Amiga sees the world more like you do in over 4,000 colors. With dimension, animation and almost photographic realism. You can even take an image from a video camera or VCR, transfer it to Amiga and then add color, animation or special effects.

There's never been a computer that sounds this good. Amiga comes with four channels of stereo sound and a bass response and octave range that exceed many stereo speakers. And Amiga talks in a male or female voice with an unlimited vocabulary.

There's never been a computer with this kind of versatility. Amiga can be expanded to run IBM PC software. You can easily add almost any printer, modem or accessory you'd ever want. And there's room for the ones still being invented. Amiga's "open architecture" allows future expandability so it's the last computer you'll have to buy.

There's never been a computer that's easier to use. Amiga lets you choose to use symbols instead of complicated commands or strange codes. Just point the Amiga "mouse" at pictures of whatever you want to do. Or use the keyboard. Of course, if you already speak the language, you can talk to Amiga in BASIC, PASCAL, LOGO, CL, LISP and Assembler. Amiga is friendlier so it gives you more choices.

There's never been a computer this useful. Amiga will be your number cruncher, filing system, audio-visual department, graphic designer, print shop and faithful workhorse. Amiga's business capabilities allow you to change a product's shape or color, alter it's composition or improve it's operation. While at the same time produce reports and charts for production costs, delivery dates and sales volume.

You are about to enter a new world of speed and power, a dazzling universe of color and dimension that is unmatched by other personal computers at any price. Let alone the price of Amiga.

## AMIGA SYSTEM SPECIFICATIONS

### MEMORY

- 256K Bytes RAM standard
- User expandable to 512K Bytes RAM internally
- Externally expandable to eight megabytes RAM contiguous
- 256K Bytes Writable Control Store

### MAIN PROCESSOR

- MC68000
- 32 Bit internal bus
- 16 Bit data bus
- 7.16 MHz clock speed

### THREE CUSTOM VLSI CHIPS:

#### CUSTOM GRAPHICS CHIP

- Many different resolutions - 320x200 32 colors  
320x400 32 colors, 640x200 16 colors and  
640x400 16 colors
- Color palette of 4,096 colors
- Eight, re-usable, 16-bit wide sprites
- 60/80 column colored text
- Programmable interobject priority and collision detection
- Compatible with RGB analog monitors, NTSC composite monitors and home televisions

#### CUSTOM ANIMATION CHIP

- Utilizes a Bit-Blitter for high speed movement of graphical data
- Allows high speed animation
- Frees the CPU for other concurrent tasks
- Display synchronized coprocessor
- Controls 26 DMA (direct memory access) channels

#### CUSTOM SOUND/PERIPHERALS CHIP

- Four voices of sound output as two stereo channels
- 9 octaves
- Complex waveforms allow high quality speech and musical instrument synthesis
- Uses both amplitude and frequency modulation
- I/O controls for disk data and mouse/joystick controller ports
- Allows the disk and sound to operate with minimal CPU intervention

## AMIGA SYSTEM SPECIFICATIONS

## OPERATING SYSTEM

- AmigaDOS
- Multi-tasking
- Hierarchical file system allows fast file access and hard disk compatibility

## USER INTERFACE

- "Intuition"
- Pull down menus
- Mouse or keyboard controlled
- Color
- Up to 50 overlapping windows, each running simultaneously in real time
- Features the "Workbench" iconic user interface
- Also features a Command Line Interface (CLI)

## PREFERENCES

- User selectable background and character colors, keystroke speed, mouse speed, mouse pointer editor and font size
- Peripheral parameters for printers and modems

## KEYBOARD

- Detachable, full-size typewriter style
- 89 keys total
- 13-Key numeric keypad
- 10 programmable function keys
- 2 special function keys
- 4 directional cursor keys
- HELP key

## DISK DRIVE

- 3.5" Micro floppy disk drive
- Double sided double density
- 880K Bytes formatted storage capacity
- Maximum transfer rate of 250 kilo bits per second
- DMA controlled read and write for fast disk access

## MOUSE

- Two button optomechanical
- Eliminates the need to learn commands
- Works well on any surface

## AMIGA SYSTEM SPECIFICATIONS

### AUDIO OUTPUT

- Two stereo RCA audio output jacks
- Signal to noise ratio 70db
- Distortion less than 1%
- Frequency response 20-6,000Hz
- Impedance 300 ohms

### INPUT/OUTPUT

- Analog RGB video port
- RF modulator video port for home television
- NTSC composite video port
- Two reconfigurable controller ports  
(supports mouse, joystick, paddles,  
light pens and custom controllers)
- External floppy disk port
- RS232 serial port
- Reconfigurable Centronics parallel port
- Expansion port
- RAM Expansion port
- Keyboard connector

### BUNDLED SOFTWARE

- AmigaDOS
- ABASIC
- Amiga Tutorial
- Kaleidoscope
- Voice Synthesis Library

### WEIGHT

- Approximately 13 lbs.

### DIMENSIONS

- 4.25" x 17.75" x 13" (H x W x D)

### POWER REQUIREMENTS

- 120V, 90 Watts, 60 Hz, 1A nominal

## AMIGA SYSTEM SPECIFICATIONS

### RECOMMENDED PERIPHERALS

- 1080 Amiga Monitor
- 1010 External 3.5" Disk Drive
- 1020 External 5.25" Disk Drive
- 1050 Memory Expansion Cartridge
- 1680 Modem 1200 RS
- AmigaTransformer
- RF Modulator
- Genlock
- AnswerMate
- Framegrabber

### COLOR

- Standard Amiga Color - Light Beige

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